



**PROJECT**

Railway Embankment and Ballast Pocket Stabilization in a Soft Soil Environment

**LOCATION**

Captina, Ohio

**PRODUCT**

TX190L

**QUANTITY**

1200 sqyds

**OWNER AND/OR DEVELOPER**

Eastern Class I Railroad

**CONTRACTOR**

Class I Track department

**ENGINEER**

Transportation Technology Center, Pueblo, CO

**INSTALLATION DATE**

October 2012

**TYPICAL ROADBED SECTION**

Railroad granite ballast

**PROJECT DETAILS**

700ft test section of revenue freight rail. Excessive settlement and track deformation due to poor subgrade conditions, including high water table and poor drainage. Maintenance and surfacing required every one to two weeks. Despite intensive maintenance, a 5 mph speed restriction was required.

As a result of a project test, track restrictions lifted and 40 mph restored. Track maintenance was extended from weekly to yearly following remedial installation. Yearly track maintenance continues after 3 years in freight service.



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Tensar International Corporation  
 2500 Northwinds Parkway  
 Suite 500  
 Alpharetta, GA 30009  
 TensarCorp.com  
 800-TENSAR-1